

AMENDMENTS TO THE CLAIMS:

1-21. (Cancelled)

22. (Currently amended) A method of manufacturing a heat exchanger for cooling exhaust gas of an internal-combustion engine, said method comprising the steps of:

providing a plurality of rectangular tubes for guiding exhaust gas;

arranging a plurality of lugs in said rectangular tubes diagonally to a flow direction of the exhaust gas, in pairs, by one of (a) directly attaching the lugs to opposite walls of said tubes and (b) integrally forming the lugs from said opposite walls of said tubes, and providing said rectangular tubes with spacing elements facing respective adjacent rectangular tubes and arranged in the flow direction between successive pairs of the lugs;

providing first and second latticed tube bottoms;

welding ends of said rectangular tubes to said latticed tube bottoms such that said rectangular tubes form a bundle;

attaching a sheet metal jacket to said tube bottoms and around said bundle;

providing said sheet metal jacket with a coolant inlet and a coolant outlet to allow a liquid coolant to flow around said rectangular tubes in said sheet metal jacket; and

attaching connections to said tube bottoms, to ends of said sheet metal jacket, or to both said tube bottoms and ends of said sheet metal jacket, said connections being configured for attachment to an exhaust pipe communicated with the

exhaust gas from the internal-combustion engine, each said connection defining a central opening for communicating said rectangular tubes with the exhaust pipe.

23-30. (Cancelled)

31. (Previously added) A method according to Claim 22, wherein in said arranging step the lugs are welded to the tube walls.

32. (Withdrawn) A method according to Claim 22, wherein in said arranging step the lugs are molded out of the tube walls by deep drawing and pressing-together.

33. (Cancelled)

34. (Previously amended) A method according to Claim 22, wherein the spacing elements are integrally formed from said tube walls.

35. (Previously added) A method according to Claim 34, further comprising arranging the tubes such that each of said spacing elements engages a non-spacing element portion of the tube wall of an adjacent tube.

36-37. (Cancelled)

38. (Previously added) A method according to Claim 22, wherein said latticed tube bottoms are preformed.